

Technical Specification 001

DEFINITIONS AND TERMS

1.0 General

- a) The intent of this specification is to explain and define certain terms and phrases that appear in the Brunswick County Engineering Design Manual, Technical Specifications, and Standard Details for Water and Sewer Systems (hereinafter "Design Manual").
- b) For a Brunswick County Capital Improvement Program (CIP) project, Article 1 of the Brunswick County General Conditions of the Contract (hereinafter "General Conditions") shall be the official definition of terms. This technical specification is intended to be a guide to language in the Design Manual and therefore complimentary to Article 1 of the General Conditions, and in the case of any conflict between this specification and Article 1 of the General Conditions, this specification shall be subordinate to Article 1 of the General Conditions.

2.0 Interpretation of Certain Terms and Words

- a) Except as specifically defined herein all words used in these Technical Specifications have their customary dictionary definitions. For the purposes of these Technical Specifications certain words or terms used herein are hereby defined as follows:
- b) Words used in the present tense include the future tense. Words used in the singular include the plural and words used in the plural include the singular. Words used in the masculine include the feminine also.
- c) The word "shall" is always mandatory
- d) The word "may" is permissive
- e) The word "lot" includes the word "plat" or "parcel"
- f) The word "person" includes a firm, association, organization, partnership, trust company, limited liability company, or corporation as well as an individual.

3.0 Definitions

AASHTO:	American Association of State Highway and Transportation Officials.
AHJ:	Authority Having Jurisdiction.
ANSI:	The latest edition of Standards published by the

ASTM:	American National Standards Institute. The latest edition of Standards published by the American Society of Testing and Materials.
AWWA:	American Water Works Association.
Cleanout:	An access point for a gravity sewer service lateral to be used for inspection and maintenance purposes by County staff or licensed plumbers.
Clearing & Grubbing:	The removal and disposal of all trees, root mat, roots, logs, shrubs, grass, weeds, fallen timber and any other litter or surface debris such as, but not limited to, fences, steps, walls, chimneys, column footings, other footings, foundation slabs, basements, other foundation components, sign, junked vehicles, and other rubble and debris, which occur within areas designated as Easements, Limits of Disturbance, or clearing limits, as shows on the Contract Drawings. The more expansive limits shown on the drawings shall define the area to be cleared and grubbed unless otherwise note as an undisturbed area. All areas cleared and grubbed shall be left in a condition to meet the requirements of Brunswick County Technical Specification TS 025: Landscaping. The word clearing shall be interchangeable with clearing and grubbing.
Contractor:	A person or business entity legally licensed by the State of North Carolina Licensing Board for General Contractors; to perform installation, repairs, and connections to County water and sewer systems. The license holder must also have the Underground Utilities designation in addition to a General Contractor license.
County:	Brunswick County.
Customer:	Any person, firm, association, business, or governmental agency that receives water and / or sewer service from Brunswick County Public Utilities.
Density:	The number of habitable structures per acre, or number of bedrooms per development, used to calculate water and waste water flow rates.
Design Manual:	This <u>Brunswick County Engineering Design</u>

Manual, Technical Specifications, and Standard Details for Water and Sewer Systems.

Developer:	Any person, firm, corporation, or other legal entity improving property for commercial, industrial, or residential purposes.
Drawings:	All plans, profiles, maps, or other drawings that show the location, character, dimensions, and details of the work produced by an Engineer.
Design Work:	Work produced by a Professional Engineer for a developer or the County related to the installation of water, sewer, or stormwater infrastructure.
DWQ:	Division of Water Quality (a division of NCDEQ).
Easement:	Legal rights conveyed by a Grantor to a Grantee to any person, firm, corporation or public entity for the use of a strip or parcel of land for a specified purpose; fee simple land ownership rights do not convey with an easement.
EJCDC:	Engineers Joint Contract Documents Committee.
Engineer:	A person registered as a Professional Engineer by the North Carolina Board of Registration for Engineers and Land Surveyors (the Board) in one of the approved fields of licensure by the Board and qualified to design and permit water transmission and distribution, sewer collection, pump stations, water treatment, wastewater treatment, stormwater, streets, curb and guttering, or other required design elements and procedures.
FDC:	Fire Department Connection; a device on the size of a building, or possibly some distance remote from the building, that is connected to the sprinkler system for the purposes of allowing the Fire Department to boost the sprinkler system pressure via external means – usually by use of a fire department pumper truck.
Feet of Head:	A unit of pressure measurement; a column of water 2.31 feet tall = 1.0 PSIG.
Governing Authority:	The Board of Commissioners of Brunswick County, North Carolina.

Lot:	A piece, parcel, tract, or plat of land intended as a unit for the transfer of ownership for development.
NCDEQ:	North Carolina Department of Environmental Quality.
NCDOT:	North Carolina Department of Transportation.
NEC:	National Electrical Code – NFPA 70.
NEMA:	National Electrical Manufacturers Association.
NFPA 110:	National Fire Protection Association; Standard for Emergency and Standby Power Systems.
NSF:	National Sanitation Foundation.
Owner:	Brunswick County, or County.
Planning Commission:	The Brunswick County Planning Board.
Plat:	A map or drawing upon which a plan of subdivision or development is presented for review and approval.
PSIG:	Pounds per Square Inch, Gage – a unit of pressure measurement.
Public Right-of- Way (or ROW):	Public rights-of-way are considered to mean public street rights-of-way or any other public right-of-way.
Public Utility Easement, or (PUE):	Permanent easements and associated rights in the name of the County as the Guarantee and that are a matter of public record by virtue of being recorded at the County Register of Deeds office; usually obtained for the installation and maintenance of water mains, sewer mains, water and/or sewer pump stations, water storage tanks, etc.
Pump Station:	A structure or pumping facility used to facilitate the transmission of water or wastewater through the use of pumps and a transmission and/or distribution system.
Private Easement:	Easement rights negotiated between two private parties; the County is not a party to a Private Easement.

PWSS:	Public Water Supply Systems (a division of NCDEQ).
SCADA:	Supervisory Control and Data Acquisition; a means of remotely monitoring water, sewer, and pump station infrastructure.
Service Box:	A water meter box or a low pressure sewer box on a customer's property.
Service Lateral:	The connection between a County water and/or sewer main and the service box on the customer's property.
Sewer Main:	Any pipe or conduit that is part of the County's sewer transmission and/or distribution system and is used to transport sewer flow from more than one user connection to a waste water treatment facility.
Shop Submittals:	Technical information submitted to the Engineer and / or the County for review and approval of materials to be used in the construction of water and sewer systems.
Standard Details:	The water, sewer, and pump station detail drawings prepared by the County Engineering and Public Utilities departments and are posted on the County website for use by the design community.
Subdivision:	The division of a tract of land into two or more lots for the purpose, whether immediate or future, of sale or development. This includes all division of land involving a new street or a change in the arrangement of streets and includes any re-subdivision of land. Subdivision shall also refer to uses of land not ordinarily considered a subdivision such as mobile home parks, multifamily parcels, townhouses, and planned unit developments.
Surveyor:	A person registered as a Land Surveyor by the North Carolina Board of Registration for Engineers and Land Surveyors and qualified to practice land surveying.
Temporary Construction Easement:	Temporary Construction Easements that are

obtained from a private or public landowner for temporary impacts due to utility infrastructure construction; TCEs are not recorded at the County Register of Deeds and the TCE dissolves at the end of the construction project.

User Connection:

The point of connection of a customer's plumbing to the County's service box.

Water Main:

Any pipe or conduit that is part of the County's water transmission and/or distribution system and is used to transport water flow to more than one user connection from a water treatment facility.